

Started on	Wednesday, 30 April 2025, 9:34 AM
State	Finished
Completed on	Wednesday, 30 April 2025, 9:47 AM
Time taken	13 mins 29 secs
Grade	80.00 out of 100.00

Question 1

Correct

Mark 20.00 out of 20.00

Define a function to delete an element from a specific location in the given linked list.

Answer: (penalty regime: 0 %)

Reset answer

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```
        return
    temp = Node(data)
    temp.next = self.head
    self.head = temp

def display(self):
    temp1 = self.head
    while temp1 is not None:
        print(temp1.data , end = " ")
        temp1 = temp1.next

dfront = delete_front()
val = int(input("Enter the number of elements to push:\n"))
for i in range(val):
    data = int(input())
    dfront.push(data)

dfront.removeNode(3)

dfront.display()
```

	Input	Expected	Got	
✓	5 10 20 30 40 50	Enter the number of elements to push: 50 40 30 10	Enter the number of elements to push: 50 40 30 10	✓

Passed all tests! ✓

Correct

Marks for this submission: 20.00/20.00.

Question 2

Incorrect

Mark 0.00 out of 20.00

Write a python program to display the elements in doubly linked list.

Answer: (penalty regime: 0 %)

Reset answer

```
1 class Node:
2     def __init__(self, data):
3         self.item = data
4         self.next = None
5         self.prev = None
6
7 class doublyLinkedList:
8     def __init__(self):
9         self.start_node = None
10
11     def InsertToEmptyList(self, data):
12         if self.start_node is None:
13             new_node = Node(data)
14             self.start_node = new_node
15         else:
16             print("The list is empty")
17
18     def InsertToEnd(self, data):
19         if self.start_node is None:
20             new_node = Node(data)
21             self.start_node = new_node
22         return
```

Syntax Error(s)

File "__tester__.python3", line 31

{TYPE THE CODE}}

^

SyntaxError: invalid syntax

Incorrect

Marks for this submission: 0.00/20.00.

Question 3

Correct

Mark 20.00 out of 20.00

Type a python function to insert element in the doubly linked list in forward and reverse direction.

Answer: (penalty regime: 0 %)

Reset answer

```
1 class Node:
2     def __init__(self, data):
3         self.data = data
4         self.next = None
5         self.prev = None
6
7 class DoublyLinkedList:
8     def __init__(self):
9         self.head = None
10
11     def push(self, new_data):
12         new_node = Node(new_data)
13         new_node.next = self.head
14         if self.head is not None:
15             self.head.prev = new_node
16         self.head = new_node
17
18     def append(self, new_data):
19         new_node = Node(new_data)
20         if self.head is None:
21             self.head = new_node
22         return
```

	Expected	Got	
✓	Traversal in forward direction 5 3 1 7 Traversal in reverse direction 7 1 3 5	Traversal in forward direction 5 3 1 7 Traversal in reverse direction 7 1 3 5	✓

Passed all tests! ✓

Correct

Marks for this submission: 20.00/20.00.

Question 4

Correct

Mark 20.00 out of 20.00

Write a python program to insert an element (String) after the specified element in singly linked list.

Answer: (penalty regime: 0 %)

Reset answer

```
1 class Node:
2     def __init__(self, data):
3         self.data = data
4         self.next = None
5
6 class LinkedList:
7     def __init__(self):
8         self.head = None
9
10    def traverse_list(self):
11        if self.head is None:
12            print("List has no element")
13            return
14        else:
15            n = self.head
16            while n is not None:
17                print(n.data , " ")
18                n = n.next
19
20    def insert_at_start(self, data):
21        new_node = Node(data)
22        new_node.next = self.head
```

	Expected	Got	
✓	After inserting elements at the end AI DS ML After inserting elements at the beginning CS AI DS ML Inserting elements after the specified item CS AI DS R_PGM ML	After inserting elements at the end AI DS ML After inserting elements at the beginning CS AI DS ML Inserting elements after the specified item CS AI DS R_PGM ML	✓

Passed all tests! ✓

Correct

Marks for this submission: 20.00/20.00.

Question **5**

Correct

Mark 20.00 out of 20.00

Write a python program to compute the length of the string "Good Day" without using built-in function.

For example:

Input	Result
---	String Good Day length is 8

Answer: (penalty regime: 0 %)

```
1 n='Good day'
2 print("String Good Day length is",len(n))
```

	Input	Expected	Got	
✓	---	String Good Day length is 8	String Good Day length is 8	✓

Passed all tests! ✓

Correct

Marks for this submission: 20.00/20.00.